

Title (en)

Guide mechanism of a flexible printed circuit board for a lens shutter camera.

Title (de)

Führungsmechanismus für eine flexible gedruckte Schaltungsplatte in einer Zwischenlinsenverschlusskamera.

Title (fr)

Mécanisme de guidage d'un panneau de circuit imprimé flexible dans une caméra à obturateur disposé dans l'objectif.

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Application

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Abstract (en)

A Guide mechanism of a flexible printed circuit board is described for a lens shutter type of camera having a lens barrel block (1) comprising an axially movable lens barrel (22), comprising a shutter block (23) being attached to said lens barrel (22), and comprising means (160, 161, 162) for conducting camera operational signals from a camera body to said shutter block (23). In accordance with the invention said conducting means (160, 161, 162) comprising a flexible printed circuit board (160) and said camera having a guide plate (163) for said flexible printed circuit board (160), said guide plate (163) comprising means (165, 168, 169) for guiding movement of said flexible printed circuit board (160) as said lens barrel (22) moves axially. In an embodiment the camera additionally comprises an anti-reflection device (171) attached to said flexible printed circuit board (160). Said device (171) comprises an anti-reflection layer attached to at least one surface of said FPC board (160), said at least one surface being located adjacent to the optical axis of said photographic lens assembly (1) when said board (160) is attached to said shutter block (23). In another embodiment of the invention said device (171) comprises an anti-reflection coating secured to said at least one surface of said FPC board. The camera further comprising means for decoding said lens positional information on said plate (90) into focal length or lens opening information.

<IMAGE>

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